

# REPLACEMENT SHEET

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Figure 1.

## (A) RFB4 VH sequence

EVQLVESGGGLVKPGGSLKLSCAASGFAFS  
 IYDMS WVRQTPEKRLWVA YISSGGGT  
 TYPDTVKG RFTISRDNAKNTLYLQMSSL  
 KSEDTAMYYCAR HSGYGSSYGVLFA Y WG  
 QGTLVTVSA

## (B) RFB4 VL sequence

DIQMTQTSSLSASLGDRVITSC RASQDI  
 SNYLN WYQQKPDGTVKLLIY YTSILHS  
 GVPSRFSGSGSGTDYSLTISNLEQEDFATY  
 FC QQGNTLPWT FGGGTKLEIK

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Figure 2.

(A) VH

FR1

E V Q L V E S G G G L V K P G G S L K L S C A A S G F A F S  
 (EIK) E V Q L V E S G G G L V - P G G S L R L S C A T T G F A F S  
 (RF) Q V Q L V E S G G G V V Q P G R S L R L S C A A S G F S F S  
 (WAS) E V Q L V E S G G G L V Q P G G S L R L S C A A S G F S F S

FR2

I Y D M S W V R Q T P E K R L E W V A Y I S S G G G T  
 (WAS) W V R Q A P G K G L E W V A

FR3

T Y Y P D T V K G R F T I S R D N A K N T L Y L Q M S S L  
 (GAL) R F T I S R D N A K N S L Y L Q M N S L

FR3

K S E D T A M Y Y C A R H S G Y G S S Y Q V L F A Y W G  
 R V E D T A L Y Y C A R (DOB) W G

FR4

Q G T L V T V S A  
 Q G T L V T V S T

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Figure 3.

(A) VH

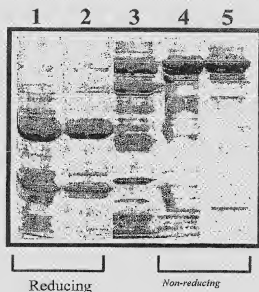
EVQLVESGGGLVQPGGSLRLSCAASGFSFS  
 IYDMS WVRQAPGKGLEWVA YISSGGGT  
 TYYPDITVKG RFTISRDNAKNSLYLQMNSL  
 RVEDTALYYCAR HSGYGSSYGVLFA Y WG  
 QGTLVTVSS

(B) VL

DIQMTQSPSSLSASVGDRVITISC RASQDI  
 SNYLN WYQQKPKGAPKLLIY YTSILHS  
 GVPSTRFSGSGSGTEFTLTISSLQPEDFATY  
 FC QQGNTLPWT FGGGTKVEIK

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Figure 4.

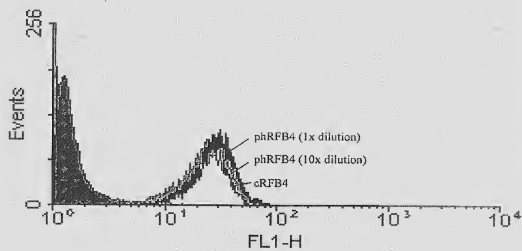


1. cRFB4 (reducing)
2. hpRFB4 (reducing)
3. Size Marker
4. cRFB4 (non-reducing)
5. hpRFB4 (non-reducing)

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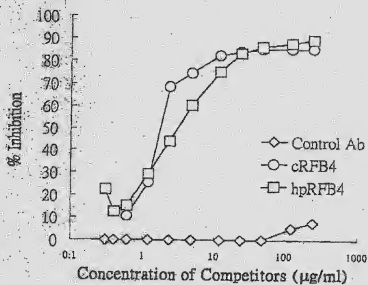
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Figure 5.



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Figure 6.



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Figure 7.

## (A) VH

Q V Q L R Q P G A E L V K P G A S V K M S C K A S G Y T F T  
 S Y N M H W V K Q T P G Q G L E W I G A I Y P G N G D  
 T S Y N Q K F K G K A T L T A D K S S S T A Y M Q L S S L  
 T S E D S A V Y Y C A R S H Y G S N Y V D Y F D Y W G Q  
 G T T L T V S S D

## (B) VL

Q I V L S Q S P A I L S A S P G E K V T M T C R A S S S L  
 S F M H W Y Q Q K P G S S P K P W I Y A T S N L A S G  
 V P A R F S G S G S G T S Y S L T I S R V E A E D A A T Y F  
 C H Q W S S N P L T F G A G T K L E L K R

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Figure 8.

(A) VH

----- FR1 -----  
 Q V Q L R Q P G A E L V K P G A S V K M S C K A S G Y T F T  
 (LS2'CL) Q V Q L V A S G A E V N K P G A S V K V S C K A S G Y T F T

----- FR2 -----  
 S Y N M H W V K Q T P G Q G L E W I G A I Y P G N G D  
 (NEW4) W V R Q P P G R G L E W I G

----- FR3 -----  
 T S Y N Q K F K G K A T L T A D K S S S T A Y M Q L S S L  
 (783'CL) R V T I T A D K S T S T A Y M E L S S L  
 (58'CL) R A T I S V D T S R N Q F S L N L S S V

----- FR3 -----  
 T S E D S A V Y Y C A R S H Y G S N Y V D Y F D Y W G Q  
 R S E D T A V Y Y C A R (4G12'CL) W G Q  
 T A A D T A V Y C C A R

----- FR4 -----  
 G T T L T V S S D  
 G T T V T V S S -

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Figure 9.

## (A) VH

Q V Q L V A S G A E V N K P G A S V K V S C K A S G Y T F T  
 S Y N M H W V R Q P P G R G L E W I G A I Y P G N G D  
 T S Y N Q K F K G K A T L T A D K S S S T A Y M Q L S S L  
 T S E D S A V Y Y C A R S H Y G S N Y V D Y F D Y W G Q  
 G T T V T V S S -

## (B) VL

D I Q L T Q S P S S L S A S V G D R V T I T C R A S S S L  
 S F M H W Y Q Q K P G S S P K P W I Y A T S N L A S G  
 V P S R F S G S G S G T E F T L T I S S L Q P E D F A T Y F  
 C H Q W S S N P L T F G A G T K L T V L R

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Figure 10.

## (A) VH

QVQLVASGAEVVKPGASVKVSCKASGYTFT  
 [SYNMH] WVRQPPGRGLEWIG [AIYPGNGD]  
 [TSYNQKFKG] RVTITADKSTSTAYMELSSL  
 RSEDTAVYYCAR [SHYGSNYVDYFDY] WGQ  
 GTTIVTVSS -

## (B) VL

DIQLTQSPSSLSASVGDRTITC [RASSSL]  
 [SFMH] WYQQKPGQAPVPIY [ATSNLAS] G  
 VPSRFGSGSGTEFTLTISSLQPEDFATYF  
 C [HQWSSNPLT] FGAGTKLTVLR.

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